

NP-NNZ-EX01

- Desktop High Performance CPU
- Machine vision industry

■ Features

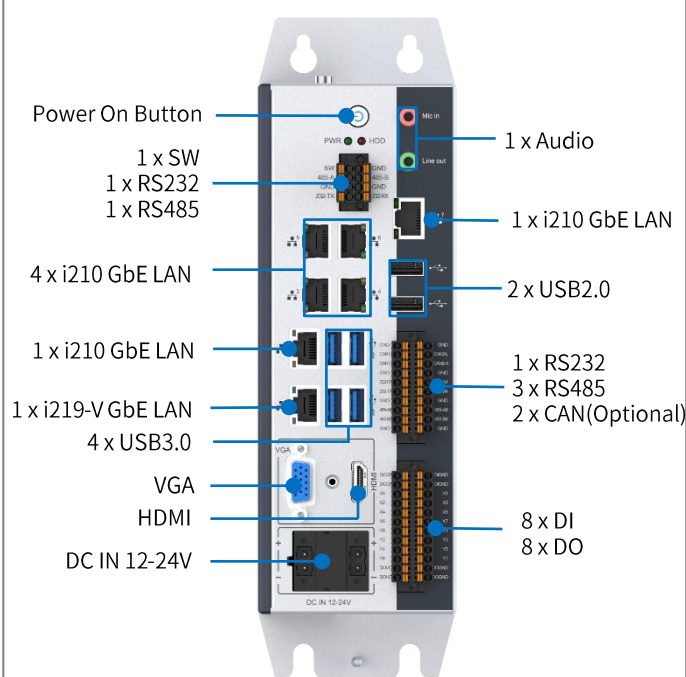
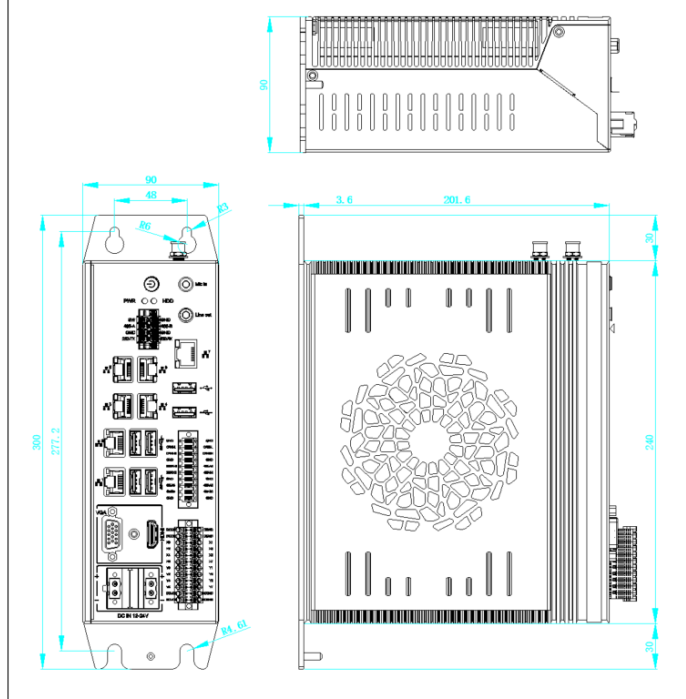
- Support Intel® Core™ 13th/12th generation i9/i7/i5/i3 high performance processors, Max. TDP 65W
- 7 x Intel GbE LAN controller
- 4 x USB3.0, 2 x USB2.0, USB2.0 Type A on board for dongle
- 2 x RS232, 4 x RS485
- 1 x Audio
- 8 x DI, 8 x DO
- Support both VGA and HDMI display port
- 1 x miniPCIE expansion slot, Support 3G/4G/CAN modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection



■ Specifications

Model Name		NP-NNZ-EX01
System	CPU	Intel® Core™ 12th/13th gen i9/i7/i5/i3 LGA1700 type CPU
	TDP	65W
	BIOS	AMI UEFI BIOS
	Memory	2 x SO-DIMM DDR4-3200MT/s (up to 32GB)
	Storage	1 x M.2 SSD 2242 M-Key
		1 x M.2 SSD 2280 M-Key
		1 x SATA SSD
	USB	4 x USB3.0, 2 x USB2.0
		1 x USB2.0, Type-A on the board for USB dongle
	COM	2 x RS232, 4 x RS485
	Ethernet	1 x Intel i219-V GbE LAN controller
		6 x Intel i210-ATGbE LAN controller
	Audio	1 x Audio(Mic in / Line out)
	DIO	8 x DI, NPN/PNP
		8 x DO, NPN/PNP(Select the mode by the switch), I _{max} 0.5A
OS	Microsoft Windows	Windows 10
	Linux	Ubuntu
Power	Voltage Input	DC12-24V ± 10%, overcurrent, overvoltage and polarity inverse protection
	Power Consumption	Max. 120W
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail fixing style.
	Dimensions	(L)200mm x (W)168mm x (H)75mm
	Net Weight	2.4Kg
Enviornment	Work Temperature	-20°C ~ 60°C (-4°F ~ 140°F) with air flow (SSD)
	Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F) with air flow (SSD)
	Relative Humidity	5~95% (Non-condensing)
	Operating Vibration	5~500Hz, 1.5Grms@with SSD, Follow IEC60068-2-64
	Operating Shock	20G peak acceleration(11ms duration) with SSD, Follow IEC60068-2-27
EMC		CE/FCC

■ Interfaces



■ Ordering Information

Part No.	Product	Description
6168849	NP-NNZ-EX01	CPU:NULL, RAM:NULL, M.2: NULL, SATA:NULL, 2 x RS232, 4 x RS485, 7 x LAN, 4 x USB3.0, 2 x USB2.0, 1 x Mic in, 1 x Line out, 8 x DI, 8 x DO, 2x CAN Bus 2.0A/B(Optional), HDMI/VGA display, DC12-24V DC IN

■ Options

Parts	Description
CPU	i3-12100T,i3-12100,i3-13100T,i3-13100
	i5-12400T,i5-12400,i5-12500T,i5-12500,i5-12600T,i5-12600,i5-13400T,i5-13400,i5-13500T,i5-13500,i5-13600T,i5-13600
	i7-12700T,i7-12700,i7-13700T,i7-13700
	i9-12900T,i9-12900,i9-13900T,i9-13900
DDR4 Memory	DDR4-3200MHz: 4GB, 8GB, 16GB
M.2 SSD 2242	64GB, 128GB, 256GB, 512GB, 1TB
M.2 SSD 2280	64GB, 128GB, 256GB, 512GB, 1TB, 2TB
SATA SSD	64GB, 128GB, 256GB, 512GB, 1TB, 2TB
3G/4G Module	mini PCIE: EC20, EG25, EC25
Mount Option	DIN rail that complies with IEC 60715 (width: 35mm, thickness: 1mm)

Note: If some optional parts are offered with the system, additional system certificates may be required in certain regions/countries.
Please contact NODKA for certificate compliance.